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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/785,522

02/24/2004

Yeu-Der Chih

8308

54657

7590

11/29/2005

DUANE MORRIS LLP
IP DEPARTMENT (TSMC)
30 SOUTH 17TH STREET
PHILADELPHIA, PA 19103-4196

EXAMINER

HOANG, HUAN

ART UNIT

PAPER NUMBER

2827

DATE MAILED: 11/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

21

Office Action Summary	Application No. 10/785,522	Applicant(s) CHIH, YEU-DER	
	Examiner Huan Hoang	Art Unit 2827	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 October 2005.
 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-41 is/are pending in the application.
 4a) Of the above claim(s) 1-14 and 39-41 is/are withdrawn from consideration.
 5) ☒ Claim(s) 19-38 is/are allowed.
 6) ☒ Claim(s) 15 and 16 is/are rejected.
 7) ☒ Claim(s) 17 and 18 is/are objected to.
 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☐ All b) ☐ Some * c) ☐ None of:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

The Response to Office Action filed on 10/12/05 has been received and entered.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 15 and 16 are rejected under 35 U.S.C. 102(b) as being anticipated by Wong et al.

Wong et al. discloses a memory array utilizing cells with one split gate transistor having all the elements as recited in claims 15 and 16 as follows:

an array of one transistor split gate cells (column 3, lines 23-31) arranged into rows (S0, S1, S2 ... SN, Fig. 3) and columns (CL0, CL1, CL2 ... CLM, Fig. 3) in which even addressed cells are located in a first row of cells (S0, Fig. 3) and odd addressed cells are located in a second row of cells (S1, Fig. 3);

a split source line (SL0 and SL1 and a common line connected to RL0 and RL1 via transistors 366, Fig. 3) connected to said even and odd addressed cells;

said first row (S0, Fig. 3) being connected with a first word line (RL0) and said second row (S1) being connected with a second word line (RL1);

said cells in one of said columns being connected to a bit line (CL0, Fig. 3);

wherein said row of even addressed cells is connected to a first source line (SL0) and said row of odd addressed cells is connected to a second source line (SL1).

Allowable Subject Matter

3. Claims 19-38 are allowed.
4. Claims 17 and 18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

5. Applicant's arguments filed 10/12/05 have been fully considered but they are not persuasive.

In **REMAKS/ARGUMENTS** , page 12, lines 20-26, Applicant stated:

"The different rows of the array are connected to separate word lines in the claimed invention. Wong, in sharp contrast, provides only a single word line. Referring to Figure 3 of Wong, as pointed by the Examiner, while each row has an associated source line, "Row decoder 320 includes a conventional decoder tree 322 of transistors that select a single word line corresponding to a row address for address generator 150", emphasis added, column 7, lines 26-28. Wong does not provide a separate word line for the first and second rows of cells in the array as in the claimed invention."

In response to this statement, Fig. 3 of Wong clearly shows the different rows (S0, S1, S2 ... SN) of the array are connected to separate word lines (RL0, RL1, RL2,

... RLN). Wong does not provides "only a single word line" as stated by Applicant (See Fig. 3, word lines RL0, RL1, RL2 ... RLN). Wong also shows a separate word line (RL0 and RL1) for the first and second rows (S0 and S1) of cells in the array.

Wong discloses all the elements as recited in claims 15 and 16 as stated in the last Office Action and the present Office Action; therefore, claims rejections under 35 U.S.C. 102 are still proper.

Conclusion

6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

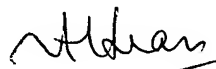
A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Huan Hoang whose telephone number is (571) 272-1779. The examiner can normally be reached on Mon-Fri 8:30AM-5:00PM.

Art Unit: 2827

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amir Zarabian can be reached on (571) 272-1852. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Huan Hoang
Primary Examiner
Art Unit 2827

HH
11/27/05